



MARKERS FIELD SECTION 602

602.1 Scope. To establish procedures for inspecting and reporting concrete right-of-way markers. Steel right-of-way and drain markers shall be inspected and reported as shown in [Field Sec 1044](#) of this Manual. Polyurethane foam used for setting steel marker posts shall be inspected and reported as shown in [Field Sec 903](#) of this Manual.

602.2 Procedure. Concrete right-of-way markers shall be of the size and shape shown on Standard Drawing 602.00. The inspector shall measure all dimensions shown on the plans to the nearest 1/4 in. [5 mm]. The concrete markers are to have a uniform surface without evidence of honeycomb or fracture planes. The inspector is to assure himself that concrete is in conformance with Specification Sec 501. Concrete may be either Class B, B-1, B-2, A-1 or a commercial concrete mixture meeting the requirements of Specification Sec 501.14. If Class B, B-1, B-2 or A-1 is used, a concrete plant inspector's daily report is to be issued. If the concrete used is a commercial mixture, the fabricator of the markers shall furnish the inspector a certification from the concrete supplier. This certification is to be attached to the inspecting District Operations Engineer's hard copy of the inspection report. The concrete markers are to contain reinforcing steel as shown on Standard Drawing 602.00. Reinforcing steel may be of any grade and no certification or test report is necessary. When an inspector has reason to doubt whether the bars are actually contained in the marker, he may select one marker at random and crush it to expose the steel. If the marker does not contain the designated steel, all markers of that lot, shipment or production shall be rejected or, at the option of the fabricator or supplier, the inspector may select at random three more markers for steel exposure. If all three of these markers have the necessary steel, the lot, shipment, or production may be accepted. Another method of determining steel content would be to periodically observe fabrication of the markers.

602.3 Report.

602.3.1 If concrete right-of-way markers are precast at a precasting plant, the materials and the markers shall be reported through SiteManager as described in [Field Sec 705](#) of this Manual.

602.3.2 If concrete right-of-way markers are cast on the project or for a specific project at a location other than a precasting plant, they are to be reported through SiteManager. The materials used are to be reported as described in the corresponding section of this Manual for that material. Under "Test Results" on the report a statement similar to one of the following should be made; (a) "Concrete Right-of-Way Markers. Class B concrete used for fabrication"; or (b) "Concrete Right-of-Way Markers. Commercial concrete mixture used, certification on file in district Operations office." The report is to indicate acceptance, qualified acceptance, or rejection. Appropriate remarks, as described in [General Sec 7.1.2](#) of this Manual, are to be included in the report to clarify conditions of acceptance or rejection.

It is not necessary to distribute rejection reports to the Resident Engineer unless the markers are rejected on the project site. Distribution of reports for materials purchased under a Department purchase order is to be as described in [Field Sec 2001](#) of this Manual.

